



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/975,813
Source: FW16
Date Processed by STIC: 1-4-05

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

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- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.2 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

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1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04):
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IFW16

RAW SEQUENCE LISTING

DATE: 01/04/2005

PATENT APPLICATION: US/09/975,813

TIME: 13:05:20

Input Set : A:\DM6907.ST25.txt

Output Set: N:\CRF4\01042005\I975813.raw

3 <110> APPLICANT: Miller, Jeffrey A.

5 <120> TITLE OF INVENTION: ASSAYS AND PEPTIDE SUBSTRATE FOR DETERMINING AGGRECAN

DEGRADING

6 METALLO PROTEASE ACTIVITY

8 <130> FILE REFERENCE: DM6907A

10 <140> CURRENT APPLICATION NUMBER: 09/975,813

C--> 11 <141> CURRENT FILING DATE: 2001-10-12

13 <150> PRIOR APPLICATION NUMBER: 60/053,850

14 <151> PRIOR FILING DATE: 1997-07-25

16 <160> NUMBER OF SEQ ID NOS: 61

18 <170> SOFTWARE: PatentIn version 3.2

20 <210> SEQ ID NO: 1

21 <211> LENGTH: 40

22 <212> TYPE: PRT

23 <213> ORGANISM: Homo Sapiens

25 <400> SEQUENCE: 1

27 Gln Thr Val Thr Trp Pro Asp Met Glu Leu Pro Leu Pro Arg Asn Ile

28 1 5 10 15

31 Thr Glu Gly Glu Ala Arg Gly Ser Val Ile Leu Thr Val Lys Pro Ile

32 20 25 30

35 Phe Glu Val Ser Pro Ser Pro Leu

36 35 40

39 <210> SEQ ID NO: 2

40 <211> LENGTH: 41

41 <212> TYPE: PRT

42 <213> ORGANISM: Bovine

44 <400> SEQUENCE: 2

46 Gln Thr Val Thr Trp Pro Asp Val Glu Leu Pro Leu Pro Arg Asn Ile

47 1 5 10 15

50 Thr Glu Gly Glu Ala Arg Gly Ser Val Ile Leu Thr Ala Lys Pro Asp

51 20 25 30

54 Phe Glu Val Ser Pro Thr Ala Pro Glu

55 35 40

58 <210> SEQ ID NO: 3

59 <211> LENGTH: 40

60 <212> TYPE: PRT

61 <213> ORGANISM: Homo Sapiens

63 <400> SEQUENCE: 3

65 Ile Thr Phe Val Asp Thr Ser Leu Val Glu Val Thr Pro Thr Thr Phe

66 1 5 10 15

69 Lys Glu Glu Glu Gly Leu Gly Ser Val Glu Leu Ser Gly Leu Pro Ser

70 20 25 30

73 Gly Glu Leu Gly Val Ser Gly Thr

74 35 40

Does Not Comply
Corrected Diskette
CPS.2

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TIME: 13:05:20

Input Set : A:\DM6907.ST25.txt

Output Set: N:\CRF4\01042005\I975813.raw

77 <210> SEQ ID NO: 4
 78 <211> LENGTH: 41
 79 <212> TYPE: PRT
 80 <213> ORGANISM: Artificial Sequence
 82 <220> FEATURE:
 83 <223> OTHER INFORMATION: Biotinylated lysine residue at position 41
 85 <400> SEQUENCE: 4

87 Gln Thr Val Thr Trp Pro Asp Met Glu Leu Pro Leu Pro Arg Asn Ile
 88 1 5 10 15
 91 Thr Glu Gly Glu Ala Arg Gly Ser Val Ile Leu Thr Val Lys Pro Ile
 92 20 25 30
 95 Phe Glu Val Ser Pro Ser Pro Leu Lys
 96 35 40

99 <210> SEQ ID NO: 5
 100 <211> LENGTH: 21
 101 <212> TYPE: PRT
 102 <213> ORGANISM: Artificial Sequence
 104 <220> FEATURE:
 105 <223> OTHER INFORMATION: Biotinylated lysine residue at position 21
 107 <400> SEQUENCE: 5

109 Ala Arg Gly Ser Val Ile Leu Thr Val Lys Pro Ile Phe Glu Val Ser
 110 1 5 10 15
 113 Pro Ser Pro Leu Lys
 114 20

117 <210> SEQ ID NO: 6
 118 <211> LENGTH: 21
 119 <212> TYPE: PRT
 120 <213> ORGANISM: Artificial Sequence
 122 <220> FEATURE:

123 <223> OTHER INFORMATION: Biotinylated lysine residue at position 1
 125 <400> SEQUENCE: 6

127 Lys Gln Thr Val Thr Trp Pro Asp Met Glu Leu Pro Leu Pro Arg Asn
 128 1 5 10 15
 131 Ile Thr Glu Gly Glu
 132 20

135 <210> SEQ ID NO: 7
 136 <211> LENGTH: 30
 137 <212> TYPE: PRT
 138 <213> ORGANISM: Artificial Sequence
 140 <220> FEATURE:

141 <223> OTHER INFORMATION: Biotinylated lysine residue at position 30
 143 <400> SEQUENCE: 7

145 Gln Thr Val Thr Trp Pro Asp Met Glu Leu Pro Leu Pro Arg Asn Ile
 146 1 5 10 15
 149 Thr Glu Gly Gln Ala Arg Gly Ser Val Ile Leu Thr Val Lys
 150 20 25 30

153 <210> SEQ ID NO: 8
 154 <211> LENGTH: 6
 155 <212> TYPE: PRT

pls explain source of
 genetic material,
 Invalid
 Response

pls explain source of
 genetic material,

Same
 error

Same
 error

The type of errors shown exist throughout
 the Sequence Listing. Please check subsequent
 sequences for similar errors.

see item #11
 on error summary
 sheet

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DATE: 01/04/2005

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Input Set : A:\DM6907.ST25.txt

Output Set: N:\CRF4\01042005\I975813.raw

156 <213> ORGANISM: Homo sapiens
158 <400> SEQUENCE: 8
160 Asn Ile Thr Glu Gly Glu
161 1 5
164 <210> SEQ ID NO: 9
165 <211> LENGTH: 8
166 <212> TYPE: PRT
167 <213> ORGANISM: Homo sapiens
169 <400> SEQUENCE: 9
171 Ala Arg Gly Ser Val Ile Leu Thr
172 1 5
175 <210> SEQ ID NO: 10
176 <211> LENGTH: 6
177 <212> TYPE: PRT
178 <213> ORGANISM: Bovine
180 <400> SEQUENCE: 10
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183 1 5
186 <210> SEQ ID NO: 11
187 <211> LENGTH: 8
188 <212> TYPE: PRT
189 <213> ORGANISM: Bovine
191 <400> SEQUENCE: 11
193 Ala Arg Gly Ser Val Ile Leu Thr
194 1 5
197 <210> SEQ ID NO: 12
198 <211> LENGTH: 6
199 <212> TYPE: PRT
200 <213> ORGANISM: Rat
202 <400> SEQUENCE: 12
204 Asn Ile Thr Glu Gly Glu
205 1 5
208 <210> SEQ ID NO: 13
209 <211> LENGTH: 8
210 <212> TYPE: PRT
211 <213> ORGANISM: Rat
213 <400> SEQUENCE: 13
215 Ala Arg Gly Asn Val Ile Leu Thr
216 1 5
219 <210> SEQ ID NO: 14
220 <211> LENGTH: 6
221 <212> TYPE: PRT
222 <213> ORGANISM: Mouse
224 <400> SEQUENCE: 14
226 Asn Val Thr Glu Gly Glu
227 1 5
230 <210> SEQ ID NO: 15
231 <211> LENGTH: 8
232 <212> TYPE: PRT

RAW SEQUENCE LISTING

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TIME: 13:05:20

Input Set : A:\DM6907.ST25.txt

Output Set: N:\CRF4\01042005\I975813.raw

233 <213> ORGANISM: Mouse
235 <400> SEQUENCE: 15
237 Ala Leu Gly Ser Val Ile Leu Thr
238 1 5
241 <210> SEQ ID NO: 16
242 <211> LENGTH: 6
243 <212> TYPE: PRT
244 <213> ORGANISM: Pig
246 <400> SEQUENCE: 16
248 Asn Ile Thr Glu Gly Glu
249 1 5
252 <210> SEQ ID NO: 17
253 <211> LENGTH: 8
254 <212> TYPE: PRT
255 <213> ORGANISM: Pig
257 <400> SEQUENCE: 17
259 Ala Arg Gly Thr Val Ile Leu Thr
260 1 5
263 <210> SEQ ID NO: 18
264 <211> LENGTH: 6
265 <212> TYPE: PRT
266 <213> ORGANISM: Sheep
268 <400> SEQUENCE: 18
270 Asn Ile Thr Glu Gly Glu
271 1 5
274 <210> SEQ ID NO: 19
275 <211> LENGTH: 8
276 <212> TYPE: PRT
277 <213> ORGANISM: Sheep
279 <400> SEQUENCE: 19
281 Ala Arg Gly Asn Val Ile Leu Thr
282 1 5
285 <210> SEQ ID NO: 20
286 <211> LENGTH: 6
287 <212> TYPE: PRT
288 <213> ORGANISM: Chicken
290 <400> SEQUENCE: 20
292 Asn Val Thr Glu Glu Glu
293 1 5
296 <210> SEQ ID NO: 21
297 <211> LENGTH: 5
298 <212> TYPE: PRT
299 <213> ORGANISM: Chicken
301 <400> SEQUENCE: 21
303 Ala Arg Gly Ser Ile
304 1 5
307 <210> SEQ ID NO: 22
308 <211> LENGTH: 6
309 <212> TYPE: PRT

RAW SEQUENCE LISTING

DATE: 01/04/2005

PATENT APPLICATION: US/09/975,813

TIME: 13:05:20

Input Set : A:\DM6907.ST25.txt

Output Set: N:\CRF4\01042005\I975813.raw

310 <213> ORGANISM: Horse
312 <400> SEQUENCE: 22
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315 1 5
318 <210> SEQ ID NO: 23
319 <211> LENGTH: 8
320 <212> TYPE: PRT
321 <213> ORGANISM: Horse
323 <400> SEQUENCE: 23
325 Ala Arg Gly Asn Val Ile Leu Thr
326 1 5
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 8
331 <212> TYPE: PRT
332 <213> ORGANISM: Homo Sapiens
334 <400> SEQUENCE: 24
336 Ala Ser Thr Ala Ser Glu Leu Glu
337 1 5
340 <210> SEQ ID NO: 25
341 <211> LENGTH: 8
342 <212> TYPE: PRT
343 <213> ORGANISM: Homo Sapiens
345 <400> SEQUENCE: 25
347 Gly Arg Gly Thr Ile Gly Ile Ser
348 1 5
351 <210> SEQ ID NO: 26
352 <211> LENGTH: 8
353 <212> TYPE: PRT
354 <213> ORGANISM: Bovine
356 <400> SEQUENCE: 26
358 Ala Thr Thr Ala Gly Glu Leu Glu
359 1 5
362 <210> SEQ ID NO: 27
363 <211> LENGTH: 8
364 <212> TYPE: PRT
365 <213> ORGANISM: Bovine
367 <400> SEQUENCE: 27
369 Gly Arg Gly Thr Ile Asp Ile Ser
370 1 5
373 <210> SEQ ID NO: 28
374 <211> LENGTH: 8
375 <212> TYPE: PRT
376 <213> ORGANISM: Mouse
378 <400> SEQUENCE: 28
380 Ala Thr Thr Ser Ser Glu Leu Glu
381 1 5
384 <210> SEQ ID NO: 29
385 <211> LENGTH: 8
386 <212> TYPE: PRT

VERIFICATION SUMMARY

PATENT APPLICATION: **US/09/975,813**

DATE: 01/04/2005

TIME: 13:05:21

Input Set : **A:\DM6907.ST25.txt**

Output Set: **N:\CRF4\01042005\I975813.raw**

L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date